# Data Sheet
# FUJITSU Server PRIMERGY RX350 S8 Dual Socket 4U rack server

## Maximum expandability in a 2 way server

The Fujitsu Server PRIMERGY RX Rack Server family is the perfect platform to form dynamic infrastructures for your business processes today and in the coming decade. You will thus benefit several times over from our recognized experience in optimized data center technology and our innovative strength in developing energy-efficient and cost/performance-optimized rack systems for universal use. PRIMERGY rack servers, built upon industry standards, focus from a functional viewpoint on core features: energy efficiency, reliability, optimized for virtualization, ease of operation and maintenance, flexibility for your future. And thus they notably meet your requirements for outstanding cost efficiency. Optimal operating costs and long-term usability comply with the IT quality required by your customers. Our responsibility goes way beyond the hardware as our tailor-made service packages mean that you can rely on the best support for your IT during its whole lifecycle.

### PRIMERGY RX350 S8

The Fujtisu Server PRIMERGY RX350 S8 is a 4U rack server with maximum levels of performance, expandability and availability. It combines the performance of Intel® Xeon® processors E5 family with up to two graphics processing units (GPU) for computationally intensive applications. The new modular concept supports exellent expandability with up to 24 hard disk drives, up to 10 PCIe Gen 3 cards and up to 1536 GB memory. Moreover the 4 hot-plug, power supply units with up to 96% efficiency and the new power management, will result in lower operational costs. Thanks to the upgrade kits as well as the cost-saving Modular LAN options, the RX350 is prepared for future requirements. RX350 is ideal for database, consolidation or high performance computing scenarios.

# Features & Benefits

| Main Features | Benefits |
|---|---|
| **Meet today's demand and be prepared for future requirements** | |
| ■ Intel Xeon E5-2600 v2 product family with up to 12 core processors and Turbo Boost 2.0<br>■ Up to 2 NVIDIA® GPU cards or Intel® Xeon® Phi™ cards | ■ High performance for an efficient datacenter<br>■ 50% more cores compared to the previous generation enables to run significantly more virtual machines<br>■ Optimized for business applications, cloud and virtualization as well as for computationally intensive applications, e.g. high performance computing (HPC) or computer tomography |
| **Lifecycle investment protection** | |
| ■ Expanded scalability of up to 24 DIMMs with 1536 GB memory, up to 24 hard disk drives and 10 PCIe slots<br>■ New modular concept for the base unit as well as a choice for LAN controller, RAID controller and power supplies<br>■ Upgrade kits for hard disk drives, backup devices as well as LTO drives | ■ Maximum expandability to meet future demand<br>■ Individual and cost-saving configuration of the server according to the need of today with upgrade option to meet the demand of tomorrow<br>■ Upgrade kits save budget as the system can be upgraded when the company grows and thus protect the investment<br>■ Ability to protect the data by integrating LTO drives |
| **Cost efficient operations** | |
| ■ Comprehensive power management including pre-defined power profiles and a scheduled mode to switch between the profiles automatically<br>■ 4 hot-plug PSU with 94 % efficiency (96 % planned)<br>■ Fujitsu ServerView Suite offers tools for installation and deployment, permanent status monitoring and control. A wide range of integration packs allow a seamless and easy integration in widely-used enterprise management systems. | ■ Simplified power management that adjust the power consumption accordingly to the current usage or to the given power policy<br>■ Fujitsu ServerView Suite provides all the functions for fail-safe, flexible and automated 24x7 server operations and improves end-user productivity via intelligent and innovative system management solutions. |

# Technical details

| PRIMERGY RX350 S8 | | |
|---|---|---|
| **Housing types** | Rack | Rack |
| **Storage drive architecture** | 3.5-inch | 2.5-inch |
| **Power supply** | Hot-plug | Hot-plug |

| Mainboard | |
|---|---|
| **Mainboard type** | D2949 |
| **Chipset** | Intel® C600 (Intel® Patsburg A) |
| **Processor quantity and type** | 1 - 2 x Intel® Xeon® processor E5-2600 v2 product family |
| **Processor** | Intel® Xeon® processor E5-2603v2<br>(4C/4T, 1.80 GHz, TLC: 10 MB, Turbo: No, 6.4 GT/s, Mem bus: 1,333 MHz, 80 W) |
| | Intel® Xeon® processor E5-2609v2<br>(4C/4T, 2.50 GHz, TLC: 10 MB, Turbo: No, 6.4 GT/s, Mem bus: 1,333 MHz, 80 W) |
| | Intel® Xeon® processor E5-2620v2<br>(6C/12T, 2.10 GHz, TLC: 15 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1,600 MHz, 80 W) |
| | Intel® Xeon® processor E5-2630Lv2<br>(6C/12T, 2.40 GHz, TLC: 15 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1,600 MHz, 60 W) |
| | Intel® Xeon® processor E5-2630v2<br>(6C/12T, 2.60 GHz, TLC: 15 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1,600 MHz, 80 W) |
| | Intel® Xeon® processor E5-2637v2<br>(4C/8T, 3.50 GHz, TLC: 15 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 130 W) |
| | Intel® Xeon® processor E5-2640v2<br>(8C/16T, 2.00 GHz, TLC: 20 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1,600 MHz, 95 W) |
| | Intel® Xeon® processor E5-2643v2<br>(6C/12T, 3.50 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 130 W) |
| | Intel® Xeon® processor E5-2650Lv2<br>(10C/20T, 1.70 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,600 MHz, 70 W) |
| | Intel® Xeon® processor E5-2650v2<br>(8C/16T, 2.60 GHz, TLC: 20 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 95 W) |
| | Intel® Xeon® processor E5-2660v2<br>(10C/20T, 2.20 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 95 W) |
| | Intel® Xeon® processor E5-2667v2<br>(8C/16T, 3.30 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 130 W) |
| | Intel® Xeon® processor E5-2670v2<br>(10C/20T, 2.50 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 115 W) |
| | Intel® Xeon® processor E5-2680v2<br>(10C/20T, 2.80 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 115 W) |
| | Intel® Xeon® processor E5-2690v2<br>(10C/20T, 3.00 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 130 W) |
| | Intel® Xeon® processor E5-2695v2<br>(12C/24T, 2.40 GHz, TLC: 30 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 115 W) |
| | Intel® Xeon® processor E5-2697v2<br>(12C/24T, 2.70 GHz, TLC: 30 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 130 W) |
| **Memory slots** | 24 (12 DIMMs per CPU, 4 channels with 3 slots per channel) |
| **Memory slot type** | DIMM (DDR3) |
| **Memory capacity (min. - max.)** | 4 GB - 1536 GB |
| **Memory protection** | Advanced ECC<br>Memory Scrubbing<br>SDDC (Chipkill™)<br>Rank sparing memory support<br>Memory Mirroring support |

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| **Memory notes** | Max. 8 memory modules/CPU with UDIMM (low voltage or standard) OR quad-rank RDIMM; max. 12 memory modules/CPU with single or dual-rank RDIMM or single, dual-rank or quad-rank Load-Reduced (LR) DIMM.<br>Memory Mirroring with identical modules in both channel pairs of a bank (4 modules per bank), Rank sparing or Performance Mode with identical modules in all four channels (4 modules per bank). |
| **Memory options** | 4 GB (1 module(s) 4 GB) DDR3 LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM |
| | 8 GB (1 module(s) 8 GB) DDR3 LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM |
| | 8 GB (1 module(s) 8 GB) DDR3, registered, ECC, 1,866 MHz, PC3-14900, DIMM |
| | 16 GB (1 module(s) 16 GB) DDR3 LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM |
| | 16 GB (1 module(s) 16 GB) DDR3, registered, ECC, 1,866 MHz, PC3-14900, DIMM |
| | 32 GB (1 module(s) 32 GB) DDR3 LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM |
| | 64 GB (1 module(s) 64 GB) DDR3 LR, registered, ECC, 1,333 MHz, PC3-10600, DIMM |
| **Memory options** | 8 GB (1 module(s) 8 GB) DDR3, unbuffered, ECC, 1,600 MHz, PC3-12800, DIMM |
| **Interfaces** | |
| **USB 2.0 ports** | 10 |
| **Graphics (15-pin)** | 2 x VGA (thereof 1x front optional) |
| **Serial 1 (9-pin)** | 1 x serial RS-232-C, usable for iRMC or system or shared |
| **LAN / Ethernet** | 2 x Gbit/s Ethernet (RJ45) with upgrade options for additional 2x1 Gbit/s (RJ45), 4x 1 Gbit/s (RJ45) or 2x 10 Gbit/s (SFP+) |
| **Management LAN (RJ45)** | 1 x dedicated management LAN port for iRMC S4 (10/100/1000 Mbit/s)<br>Management LAN traffic can be switched to shared onboard Gbit LAN port<br>or optional Modular LAN 2x10 Gbit controller<br>Front Service LAN port as option |
| **Onboard or integrated Controller** | |
| **RAID controller** | 4 port for internal 3G SATA and SAS (as upgrade option with SAS enabling key) for HDDs with RAID 0/1/10 or SAS LTO device (Intel C600)<br>additional RAID controller options are described under Components RAID controller |
| **SATA Controller** | Intel® C600, 2 x SATA channel for ODD |
| **LAN Controller** | Intel® Ethernet Controller I350, 2 x 10/100/1000 Mbit/s Ethernet (I/O acceleration), Modular integrated on-board LAN offers upgrade options for additional 2x1 Gbit/s , 4x 1 Gbit/s or 2x 10 Gbit/s.<br>PXE-Boot via LAN from PXE server, iSCSI boot (also diskless) |
| **Remote Management Controller** | Integrated Remote Management Controller (iRMC S4, 256 MB attached memory incl. graphics controller)<br>IPMI 2.0 compatible |
| **GPU / Coprocessor** | 1-2 NVIDIA® Tesla™ K20 and K20X GPGPU<br>1-2 Intel® Xeon® Phi 3120P / 5110P / 7120P coprocessor |
| **Trusted Platform Module (TPM)** | Infineon / separate module; TCG V1.2 compliant (option) |
| **Slots** | |
| **PCI-Express 3.0 x4 (mech. x8)** | 2 x Full height (2nd processor required) |
| **PCI-Express 3.0 x8** | 4 x Full height (here of 1 is reserved for Modular RAID controller) |
| **PCI-Express 3.0 x8 (mech. x16)** | 1 x Full height |
| **PCI-Express 3.0 x16** | 2 x Full height (2nd processor required) |
| **PCI-Express 2.0 x4 (mech. x8)** | 1 x Full height (2nd processor required) |
| **Slot Notes** | One PCIe Gen3 x8 slot may be occupied with a Modular integrated on-board LAN controller if configured.<br>One PCIe Gen3 x8 slot may be occupied with a modular RAID controller if configured.<br>Important: 5 PCIe slots are supported with the first processor. 10 PCIe slots are supported with two processors.<br>Possible slot length described in relevant system onfigurator. |
| **Drive bays** | |
| **Storage drive bays** | 2.5-inch or 3.5-inch hot-plug SAS/SATA |
| **Accessible drive bays** | 1 x 5.25/0.5-inch for ODD<br>1 x 5.25/1.6-inch for ODD or backup devices<br>1 x 5.25/0.5-inch for Local Service Display |
| **Notes accessible drives** | All possible options described in relevant system configurator. |
| **Drive bays** | |
| **Storage drive bays** | Max 12 (4 + 4 + 4) x 3.5-inch  Max 24 (8 + 8 + 8) x 2.5-inch |

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|---|---|---|
| **Drive bays** | | |
| **Optional accessible drives** | 3x 5.25/1.6-inch bay for accessible devices (HDD: 4x 3.5-inch hot-plug SAS/SATA or LTO drive) | 3x 5.25/1.6-inch bay for accessible devices (HDD: 8x 2.5-inch hot-plug SAS/SATA and LTO drive) |
| **General system information** | | |
| **Number of fans** | 6 | |
| **Fan configuration** | 4 + 2 redundant / hot-plug | |
| **Fan notes** | For system cooling: 4 fans as standard and additionally 2 extra fans for redundancy. | |
| **Operating panel** | | |
| **Operating buttons** | On/off switch<br>Reset button<br>NMI button<br>ID button | |
| **Status LEDs** | System status (orange / yellow)<br>Identification (blue)<br>Hard disks access (green)<br>Power (amber / green)<br>At system rear side:<br>System status (orange / yellow)<br>Identification (blue)<br>LAN connection (green)<br>LAN speed (green / yellow) | |
| **Service display** | Optional:<br>ServerView Local Service Display (LSD) | |
| **BIOS** | | |
| **BIOS features** | ROM based setup utility<br>Recovery BIOS<br>BIOS settings save and restore<br>Local BIOS update from USB device<br>Online update tools for main Windows and Linux versions<br>Local and remote update via ServerView Update Manager<br>SMBIOS V2.4<br>Remote PXE boot support<br>Remote iSCSI boot support | |

## Operating Systems and Virtualization Software

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|---|---|
| **Certified or supported operating systems and virtualization software** | Microsoft® Hyper-V Server R2 2012 |
| | Microsoft® Windows Server® 2012 R2 Datacenter |
| | Microsoft® Windows Server® 2012 R2 Standard |
| | Microsoft® Windows Storage Server 2012 R2 Standard |
| | Microsoft® Hyper-V Server 2012 |
| | Microsoft® Windows Server® 2012 Datacenter |
| | Microsoft® Windows Server® 2012 Standard |
| | Microsoft® Windows Storage Server 2012 Standard |
| | Microsoft® Hyper-V™ Server 2008 R2 |
| | Microsoft® Windows Server® 2008 R2 Datacenter |
| | Microsoft® Windows Server® 2008 R2 Enterprise |
| | Microsoft® Windows Server® 2008 R2 Standard |
| | Microsoft® Windows® Small Business Server 2011 Premium Add-On |
| | Microsoft® Windows® Small Business Server Standard 2011 |
| | Microsoft® Windows® Server 2008 Datacenter |
| | Microsoft® Windows® Server 2008 Enterprise |
| | Microsoft® Windows® Server 2008 Standard |
| | VMware vSphere™ 5.5 Embedded |
| | VMware vSphere™ 5.5 |
| | VMware vSphere™ 5.0 Embedded |
| | VMware vSphere™ 5.0 |
| | VMware vSphere™ 4.1 |
| | VMware vSphere™ 4.1 Embedded |
| | VMware vSphere™ 4.1 Installable |
| | SUSE® Linux Enterprise Server 11 |
| | Red Hat® Enterprise Linux 6 |
| | Red Hat® Enterprise Linux 5 |
| | Red Hat® Enterprise Linux 5 with XEN |
| | Citrix® XenServer® |
| **Operating system release link** | http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473 |
| **Operating system notes** | Support of other Linux derivatives on demand |

## Server Management

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| **Standard** | ServerView Suite - Deploy<br>SV Installation Manager<br>SV Scripting Toolkit<br>SV Deployment Manager (30-day trial version)<br>ServerView Suite - Control<br>SV Operations Manager incl. PDA and ASR & R<br>(Prefailure and Analysis; Automatic Server Recovery and Restart)<br>SV Performance Management<br>SV Power Management<br>SV RAID Manager<br>ServerView Suite - Maintain<br>SV Remote Management (iRMC)<br>SV Update Management (BIOS, Firmware, Windows Drives and SV Agents)<br>SV Asset Management<br>SV Online Diagnostics<br>ServerView Suite - Integrate<br>SV Integration packs e.g. for Microsoft System Center, Nagios, HP, SIM, HP NNM, IBM Tivoli, Altiris Deployment Solutions and others |

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| **Server Management** | |
| **Option** | ServerView Suite - Deploy<br>SV Deployment Manager (full version)<br>ServerView Suite - Maintain<br>iRMC Advanced Pack incl. Advanced Video Redirection (AVR) and Remote Storage<br>ServerView Suite - Dynamize<br>SV Virtual-IO Manager (VIOM)<br>SV Resource Orchestrator Virtual Edition (ROR VE)<br>SV Resource Orchestrator Cloud Edition (ROR CE)<br>ServerView Suite - Integrate<br>SV Integration pack for Fujitsu ManageNow® solution |
| **Server Management notes** | Regarding Operating System dependencies for ServerView Suite Software Products see dedicated Product Data sheets. |
| **Dimensions / Weight** | |
| **Rack (W x D x H)** | 482.6 mm (Bezel) / 448 mm (Body) x 736 x 177 mm |
| **Mounting Depth Rack** | 700 mm |
| **Height Unit Rack** | 4 U |
| **19" rackmount** | Yes |
| **Weight** | up to 35 kg |
| **Weight notes** | Actual weight may vary depending on configuration |
| **Rack integration kit** | Rack integration kit as option |
| **Environmental** | |
| **Operating ambient temperature** | 10 - 35 °C |
| **Operating relative humidity** | 10 - 85 % (non condensing) |
| **Operating environment** | FTS 04230 – Guideline for Data Center (installation specification) |
| **Operating environment Link** | http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe |
| **Noise emission** | Measured according to ISO 7779 and declared according to ISO 9296 |
| **Sound pressure (LpAm)** | Minimum noise : 33 dB(A) (idle) / 33 dB(A) (operating)<br>Typical noise : 38 dB(A) (idle) / 38 dB(A) (operating) |
| **Sound power (LWAd; 1B = 10dB)** | Minimum noise : 5,1 B (idle) / 5,1 B (operating)<br>Typical noise : 5,6 B (idle) / 5,6 B (operating) |
| **Noise notes** | Noise emissions and operation modes depend on system configuration. |
| **Electrical values** | |
| **Power supply configuration** | 1-4x 450 W / 800 W hot-plug power supply |
| **Max. output of single power supply** | 450 W (94 % efficiency); 800 W (94 % / 96 % efficiency) |
| **Power supply efficiency** | 94 % (80 PLUS platinum)<br>96 % (80 PLUS titanium) (planned) |
| **Hot-plug power supply output** | 450 W (94 % efficiency); 800 W (94 % / 96 % efficiency) |
| **Hot-plug power supply redundancy** | Yes |
| **Rated voltage range** | 100 V - 240 V |
| **Rated frequency range** | 47 Hz - 63 Hz |
| **Rated current in basic configuration** | 100 V - 240 V / TBD |
| **Active power (max. configuration)** | 1,070 W |
| **Active power note** | To estimate the power consumption of different configurations use the Power Calculator of the System Architect:<br>http://configurator.ts.fujitsu.com/public/ |
| **Apparent power (max. configuration)** | 1,080 VA |
| **Heat emission** | 3852.0 kJ/h (3651.0 BTU/h) |
| **Power Supply Notes** | Power Safeguard adapts system performance in case the wattage exceeds supply limits. |
| **Compliance** | |
| **Germany** | GS |
| **Europe** | CE Class A * |
| **USA/Canada** | CSAc/us<br>FCC Class A |

| Compliance | |
|---|---|
| **Global** | CB<br>RoHS (Restriction of hazardous substances)<br>WEEE (Waste electrical and electronical equipment) |
| **Japan** | VCCI |
| **China** | CCC (planned) |
| **Australia/New Zealand** | C-Tick |
| **Taiwan** | CNS 13438 class A - planned |
| **Compliance notes** | There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request.<br>* Warning:<br>This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures. |
| **Compliance link** | http://globalsp.ts.fujitsu.com/sites/certificates |

| Compliance | |
|---|---|
| **Global** | CB<br>RoHS (Restriction of hazardous substances)<br>WEEE (Waste electrical and electronical equipment) |
| **Germany** | GS |
| **Europe** | CE Class A * |
| **USA/Canada** | CSAc/us<br>FCC Class A |
| **Japan** | VCCI |
| **China** | CCC (planned) |
| **Australia/New Zealand** | C-Tick |
| **Taiwan** | CNS 13438 class A - planned |
| **Compliance link** | http://globalsp.ts.fujitsu.com/sites/certificates |
| **Compliance notes** | There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request.<br>* Warning:<br>This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures. |

# Components

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|---|---|
| Storage drives | SSD SATA, 6 Gb/s, 800 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise |
| | SSD SATA, 6 Gb/s, 400 GB, MLC, hot-plug, 2.5-inch, enterprise |
| | SSD SATA, 6 Gb/s, 400 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise |
| | SSD SATA, 6 Gb/s, 200 GB, MLC, hot-plug, 2.5-inch, enterprise |
| | SSD SATA, 6 Gb/s, 200 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise |
| | SSD SATA, 6 Gb/s, 100 GB, MLC, hot-plug, 2.5-inch, enterprise |
| | SSD SATA, 6 Gb/s, 100 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise |
| | SSD SAS, 12 Gb/s, 800 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise |
| | SSD SAS, 12 Gb/s, 400 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise |
| | SSD SAS, 12 Gb/s, 200 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise |
| | SSD SAS, 12 Gb/s, 1.6 TB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise |
| | SSD SAS, 6 Gb/s, 200 GB, MLC, hot-plug, 2.5-inch, enterprise |
| | HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, hot-plug, 3.5-inch, business critical |
| | HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, hot-plug, 2.5-inch, business critical |
| | HDD SATA, 6 Gb/s, 250 GB, 7,200 rpm, hot-plug, 2.5-inch, business critical |
| | HDD SATA, 6 Gb/s, 3 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical |
| | HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical |
| | HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical |
| | HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 2.5-inch, business critical |
| | HDD SAS, 6 Gb/s, 900 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise |
| | HDD SAS, 6 Gb/s, 600 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise |
| | HDD SAS, 6 Gb/s, 600 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise |
| | HDD SAS, 6 Gb/s, 500 GB, 7,200 rpm, hot-plug, 2.5-inch, business critical |
| | HDD SAS, 6 Gb/s, 450 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise |
| | HDD SAS, 6 Gb/s, 450 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise |
| | HDD SAS, 6 Gb/s, 300 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise |
| | HDD SAS, 6 Gb/s, 300 GB, 15,000 rpm, hot-plug, 2.5-inch, enterprise |
| | HDD SAS, 6 Gb/s, 300 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise |
| | HDD SAS, 6 Gb/s, 146 GB, 15,000 rpm, hot-plug, 2.5-inch, enterprise |
| | HDD SAS, 6 Gb/s, 4 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical |
| | HDD SAS, 6 Gb/s, 3 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical |
| | HDD SAS, 6 Gb/s, 2 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical |
| | HDD SAS, 6 Gb/s, 1.2 TB, 10,000 rpm, hot-plug, 2.5-inch, enterprise |
| | HDD SAS, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical |
| | HDD SAS, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 2.5-inch, business critical |
| Backup Drives | LTO4HH Ultrium, 800 GB, 120 MB/s, half height, SAS 6Gb/s |
| | LTO5HH Ultrium, 1,500 GB, 140 MB/s, half height, SAS 6Gb/s |
| | LTO6HH Ultrium, 2,500 GB, 160 MB/s, half height, SAS 6Gb/s |
| | RDX Drive, 320 GB, 500 GB, 1 TB , 25 MB/s, half height, USB 3.0 |
| Optical drives | Blu-ray Disc™ Triple Writer, (6x BD-ROM; 8x DVD; 24x CD), slimline, SATA I |
| | DVD-ROM, (16xDVD; 48xCD), half height, SATA I |
| | DVD Super Multi, (16xDVD, 8xDVD+RW 6xDVD-RW, 12xDVD-RAM; 48xCD, 32xCD-RW), half height, SATA I |
| | DVD Super Multi, (8xDVD/DVD+RW, 6xDVD-RW, 5xDVD-RAM; 24xCD/CD-R, 16xCD-RW), slimline, SATA I |
| SCSI / SAS Controller | SAS Ctrl. 6 Gbit/s 8 ports ext. PCIe Gen2 x8 |

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| **RAID Controller** | RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, LSI LSI MegaRAID SAS 9286CV-8e,<br>RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU (based on LSI SAS2208) |
| | RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 5/6 512MB (D2616), 8 ports int.<br>RAID level: 0, 1, 10, 5, 50, 6, 60, 512 MB Cache, Optional BBU (based on LSI SAS2108) |
| | RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 1GB (D3116C), 8 ports int.<br>RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU (based on LSI SAS2208) |
| | RAID 0/1 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 0/1 (D2607), 8 ports int.<br>RAID level: 0, 1, 10, No BBU support |
| **Fibre Channel controller** | Fibre Channel Host Bus Adapter 1 x 8 Gbit/s Qlogic QLE2560 MMF LC-style |
| | Fibre Channel Host Bus Adapter 2 x 8 Gbit/s Qlogic QLE2562 MMF LC-style |
| | Fibre Channel Host Bus Adapter 1 x 8 Gbit/s Emulex LPe1250 MMF LC-style |
| | Fibre Channel Host Bus Adapter 2 x 8 Gbit/s Emulex LPe12002 MMF LC-style |
| | Fibre Channel Host Bus Adapter 1 x 4 Gbit/s#8 Gbit/s#16 Gbit/s Emulex LPe16000B LC-style |
| | Fibre Channel Host Bus Adapter 2 x 4 Gbit/s#8 Gbit/s#16 Gbit/s Emulex LPe16002B LC-style |
| **Communication, Network** | Converged Network Adapter 2 x 10 Gbit/s PCIe Gen2 x8 ( Emulex ) |
| | Ethernet Ctrl. 1 x 10 MBit/s#100 MBit/s#1 Gbit/s PCIe Gen1.1 x1 ( Intel® ) |
| | Ethernet Ctrl. 1 x 1 Gbit/s PCIe x4 ( Intel® ) |
| | Ethernet Ctrl. 2 x 10 Gbit/s#1 Gbit/s#100 MBit/s PCIe Gen2.1 x8 ( Intel® ) |
| | Ethernet Ctrl. 2 x 10 Gbit/s PCIe Gen2 x8 ( Fujitsu ) |
| | Ethernet Ctrl. 2 x 1 Gbit/s#100 MBit/s#10 MBit/s PCIe Gen2.1 x4 ( Intel® ) |
| | Ethernet Ctrl. 2 x 1 Gbit/s PCIe x4 ( Fujitsu ) |
| | Ethernet Ctrl. 4 x 1 Gbit/s#100 MBit/s#10 MBit/s PCIe Gen2.1 x4 ( Intel® ) |
| | Ethernet Ctrl. 4 x 1 Gbit/s PCIe x4 ( Fujitsu ) |
| | InfiniBand HCA 1 x 40 Gbit/s PCIe Gen3 x8 ( Mellanox ) |
| | InfiniBand HCA 1 x 56 Gbit/s PCIe Gen3 x8 ( Mellanox ) |
| | InfiniBand HCA 2 x 40 Gbit/s PCIe Gen3 x8 ( Mellanox ) |
| | InfiniBand HCA 2 x 56 Gbit/s PCIe Gen3 x8 ( Mellanox ) |
| **Coprocessor** | NVIDIA® Tesla™ K20, 2,496 cores, PCIe Gen2 x16 |
| | NVIDIA® Tesla™ K20X, 2,688 cores, PCIe Gen2 x16 |
| **Graphics add on cards (optional)** | NVIDIA® GRID K1, 768 cores, PCIe Gen3 x16 |
| **Graphics add on cards** | NVIDIA® Quadro® NVS 300, PCIe x1, 2x DVI/VGA |
| **Coprocessor** | Intel® Xeon Phi™ 3120P, 57 Cores / 228 Threads, PCIe Gen2 x16 |
| | Intel® Xeon Phi™ 5110P, 60 Cores / 240 Threads, PCIe Gen2 x16 |
| | Intel® Xeon Phi™ 7120P, 61 Cores / 244 Threads, PCIe Gen2 x16 |
| **Rack infrastructure** | Rack Mount Kit |
| | Cable Management for 19-inch DataCenter / PRIMECENTER Racks |
| | Cable Arm 2U for PRIMECENTER- and 3rd-party racks |

| | |
|---|---|
| **Warranty** | |
| **Standard Warranty** | 3 years |
| **Service level** | Onsite Service (depending on country) |
| **Warranty Terms & Conditions** | http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM |
| **Maintenance and Support Services - the perfect extension** | |
| **Support Pack Options** | Globally available in major business areas:<br>9x5, Next Business Day Onsite Response Time<br>9x5, 4h Onsite Response Time<br>24x7, 4h Onsite Response Time |
| **Recommended Service** | 24x7, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner. |
| **Service Lifecycle** | 5 years after end of product life |
| **Service Weblink** | http://www.fujitsu.com/fts/services/support |

# More information

## Fujitsu OPTIMIZATION Services

In addition to Fujitsu PRIMERGY RX350 S8, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

**Fujitsu Portfolio**
Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

**Computing Products**
www.fujitsu.com/global/services/computing/

**Software**
www.fujitsu.com/software/

## More information

Learn more about Fujitsu PRIMERGY RX350 S8, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts

## Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.
Please find further information at http://www.fujitsu.com/global/about/environment

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